

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicant(s): Cheng-Tung Huang, et al.

Patent No.: 6,955,929 B2

Issue Date: 10/18/2005

Serial No.: 10/709,236

Filing Date: 04/23/2004

Examiner: NGUYEN, TUAN H

Art Unit: 2813

Docket No.: NAUP0464USA

10

Title: METHOD OF MEASURING A GATE CHANNEL LENGTH OF A
METAL-OXIDE SEMICONDUCTOR TRANSISTOR

To: Commissioner for Patents

15

P.O. BOX 1450

Alexandria, VA 22313-1450

Subject: Status Inquiry of COC based on the Correction of Inventorship under 37 CFR 1.324

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Dear Sir,

The undersigned agent submitted a request to correct inventorship under 37 CFR 1.324 on 01/16/2006 and a request for COC on 05/22/2006 to add the third inventor Chien-Chieh Huang as one of the inventors of the above identified utility patent. Chien-Chieh Huang was also recorded as one of the assignor on 01/17/2006.

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The petition of correction of inventorship was granted on 04/10/2007 and the inventor Chien-Chieh Huang was entered in the webpage of PAIR (Attachment 1). The corrected filing receipt was issued on 02/01/2008 (Attachment 2). However, the Certificate of Correction has not been received so far.

The undersigned agent hereby requests the USPTO to issue the Certificate of Correction pursuant to 37 CFR 1.324 as soon as possible. The request of COC submitted on 05/22/2006 (Attachment 3) and the PTO/SB/44 form were enclosed for your quick reference. Your prompt response to this matter will be greatly appreciated.

5

Respectfully submitted,

Winston Hsu

Date: 06/25/2008

10

Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506, Merrifield, VA 22116, U.S.A.
Voice Mail: 302-729-1562
Facsimile: 806-498-6673
15 e-mail : winstonhsu@naipo.com

(Note: Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan)

20

Attachment 2



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
10/709,236	04/23/2004	2813	1070	NAUP0464USA	19	2

CONFIRMATION NO. 3235

CORRECTED FILING RECEIPT



OC00000028033347

Date Mailed: 02/01/2008

27765
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION
P.O. BOX 506
MERRIFIELD, VA 22116

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Cheng-Tung Huang, Kao-Hsiung City, TAIWAN;
Sheng-Hao Lin, Hsin-Chu Hsien, TAIWAN;
Chien-Chieh Huang, Taipei City, TAIWAN;
Nien-Chung Li, Hsin-Chu City, TAIWAN;
Yi-Cheng Sheng, Hsin-Chu City, TAIWAN;

Power of Attorney: The patent practitioners associated with Customer Number 027765

Domestic Priority data as claimed by applicant

Foreign Applications

TAIWAN 092109797 04/25/2003

If Required, Foreign Filing License Granted: 06/24/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/709,236**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Attachment 3 (9 pages)

BEST AVAILABLE COPY

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

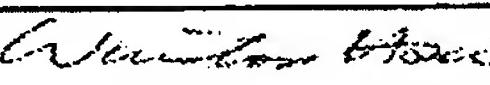
Application Number	10/709,236
Filing Date	04/23/2004
First Named Inventor	Cheng-Tung Huang
Art Unit	2813
Examiner Name	NGUYEN, TUAN H
Total Number of Pages in This Submission	9
Attorney Docket Number	NAUP0464USA

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): 1. The cover page of Patent No. 6,955,929 2. The Notice of Recordation of Patent No. 6,955,929 3. The Deposit Account Statement of Deposit Account 50-3105
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	North America Intellectual Property Corporation		
Signature			
Printed name	Winston Hsu		
Date	MAY 22 2006	Reg. No.	41,526

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	Alison Wu		
Typed or printed name	Alison Wu	Date	MAY 22 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 100.00)

Complete if Known

Application Number	10/709,236
Filing Date	04/23/2004
First Named Inventor	Cheng-Tung Huang
Examiner Name	NGUYEN, TUAN H
Art Unit	2813
Attorney Docket No.	NAUP0464USA

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 50-3105 Deposit Account Name: North America Intellectual Property Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments
under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity	Fee (\$)	Fee (\$)
- 20 or HP =	x	=		50	25	
HP = highest number of total claims paid for, if greater than 20.				200	100	
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	360	180	
- 3 or HP =	x	=				
HP = highest number of independent claims paid for, if greater than 3.						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = / 50 (round up to a whole number) x =

Fees Paid (\$)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request Certificate of Correction

100.00

SUBMITTED BY

Signature	Winston Hsu	Registration No. (Attorney/Agent) 41,526	Telephone 3027291562
Name (Print/Type)		Date	MAY 22 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: US 6,955,929 B2 Issue Date: 10/18/2005
Inventors : Cheng-Tung Huang et al.
Examiner: NGUYEN, TUAN H
App. No.: 10/709,236 Filing Date: 04/23/2004
Art Unit: 2813 Docket No.: NAUP0464USA

Title: METHOD OF MEASURING A GATE CHANNEL LENGTH OF A METAL-OXIDE SEMICONDUCTOR TRANSISTOR

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Petition under 37 CFR 1.183 and
Request for Certificate of Correction under 37 CFR 1.323

Dear Sir,

Upon reviewing the cover page of the above-identified patent, it is noticed that the inventorship is incorrect, because the third inventor Chien-Chieh Huang was missed (Attachment 1). The undersigned agent missed to list Chien-Chieh Huang as one of the actual inventors while filing the above-identified application. The actual inventors of the above-identified patent should be

Cheng-Tung Huang, Kao-Hsiung (TW);
Sheng-Hao Lin, Hsin-Chu Hsien (TW);
Chien-Chieh Huang, Taipei City (TW)
Nien-Chung Li, Hsin-Chu (TW);
Yi-Cheng Sheng, Hsin-Chu (TW)

Failure to provide correct inventorship was inadvertent, but without any deceptive intention. The undersigned agent submitted the Recordation form cover

05/25/2006 HALI11 00000045 503105 6955929
01 FC:1811 100.00 DA

sheet and the assignment document and the request to correct inventorship under 37 CFR 1.324 to the USPTO on 01/17/2006. The assignment document was recorded on 01/17/2006 and Chien-Chieh Huang was added into the assignors successfully (Attachment 3). Although the processing fee for correcting inventorship in a patent was deducted from the deposit account no 50-3105 on 01/19/2006 (Attachment 2), Chien-Chieh Huang has not been added into the inventors so far. And the undersigned agent filed a status inquiry about the request to correct inventorship under 37 CFR 1.324 on 05/19/2006 (Attachment 4).

The undersigned agent hereby requests that a Certificate of Correction be issued under 37 CFR 1.323 and submits the fee \$100.00 set forth in 37 CFR 1.20(a) herewith. Please correct the inventorship and add Chien-Chieh Huang as the third inventor as soon as possible. Thank you.

Respectfully submitted,

Winston Hsu

Date: MAY 22 2006

Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506, Merrifield, VA 22116, U.S.A.
Voice Mail: 302-729-1562
Facsimile: 806-498-6673
e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)

Attachment 1.



US006955929B2

(12) **United States Patent**
Huang et al.

(10) **Patent No.:** US 6,955,929 B2
(45) **Date of Patent:** Oct. 18, 2005

(54) **METHOD OF MEASURING A GATE CHANNEL LENGTH OF A METAL-OXIDE SEMICONDUCTOR TRANSISTOR**

(75) Inventors: Cheng-Tung Huang, Kao-Hsiung (TW); Sheng-Hao Lin, Hsin-Chu Hsien (TW); Nien-Chung Li, Hsin-Chu (TW); Yi-Cheng Sheng, Hsin-Chu (TW)

Please add
"Chien-Chieh Huang" as
the third inventor
Thank you.

(73) Assignee: United Microelectronics Corp.,
Hsin-Chu (TW)
(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/709,236

(22) Filed: Apr. 23, 2004

(65) **Prior Publication Data**
US 2004/0214356 A1 Oct. 28, 2004

(30) **Foreign Application Priority Data**
Apr. 25, 2003 (TW) 92109797 A

(51) Int. Cl. 7 H01L 21/66
(52) U.S. Cl. 438/14; 438/17

(58) **Field of Search** 438/14, 17, 197,
438/199, 18; 257/48

(56) **References Cited**

U.S. PATENT DOCUMENTS

2002/0001899 A1 * 1/2002 Ito 438/231
2003/0224545 A1 * 12/2003 Chung et al. 438/17

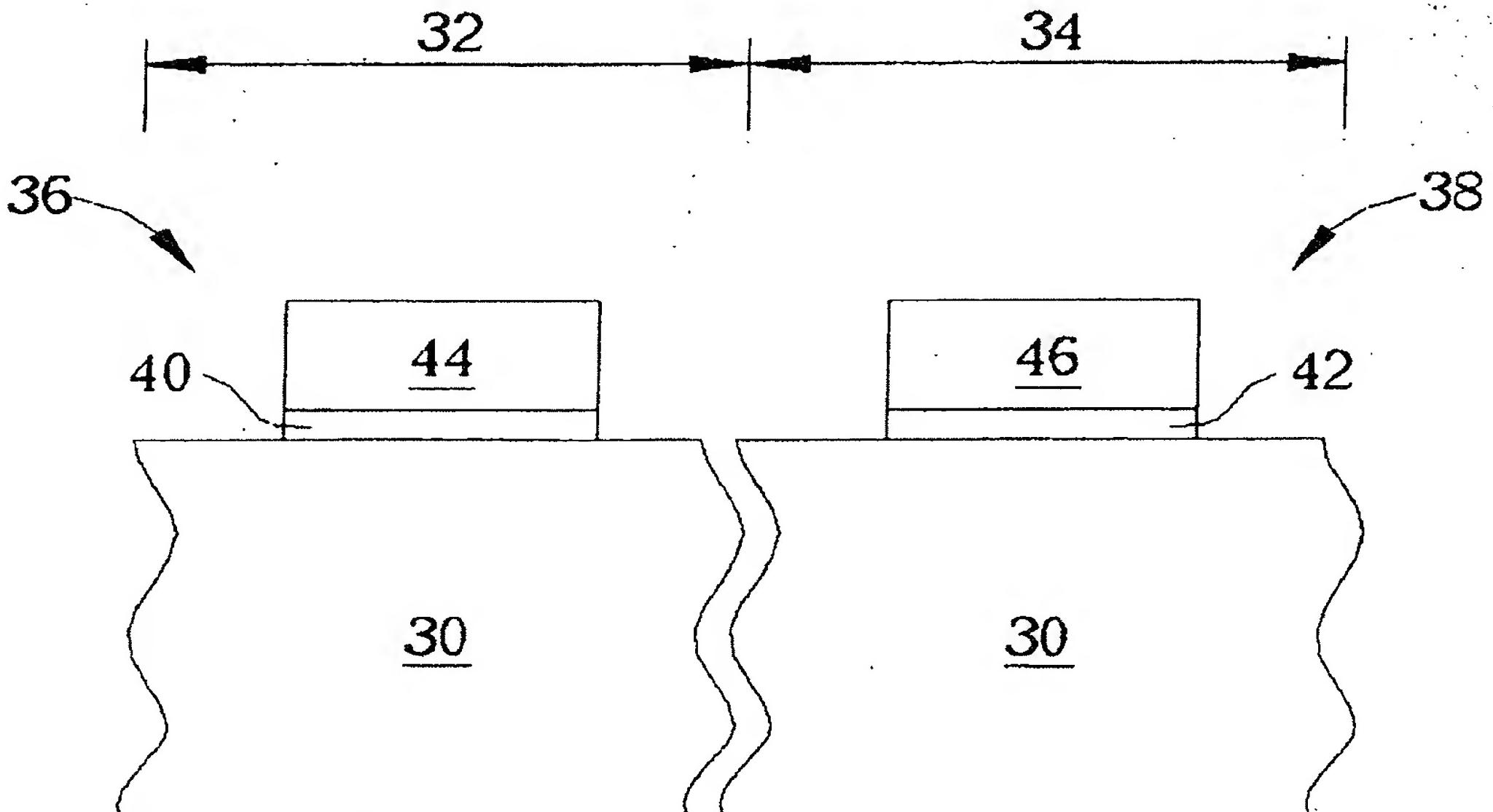
* cited by examiner

Primary Examiner—Tuan H. Nguyen
(74) Attorney, Agent, or Firm—Winston Hsu

(57) **ABSTRACT**

A predetermined voltage is applied respectively on a first gate of a first metal-oxide semiconductor (MOS) transistor with a known channel length and a second gate of a second MOS transistor with an unknown channel length. A first inverse gate leakage current of the first MOS transistor and a second inverse gate leakage current of the second MOS transistor are then measured. By using the first and second inverse gate leakage currents, the channel widths of the first and the second gates, the channel length of the first gate and an equation, the channel length of the second gate is obtained.

19 Claims, 3 Drawing Sheets



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Attachment 2



NAU-464

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 14, 2006

PTAS



103162625A

NORTH AMERICA INTELLECTUAL PROPERTY CORP
P.O. BOX 506
MERRIFIELD, VA 22116

UNITED STATES PATENT AND TRADEMARK OFFICE
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REFERENCED BELOW.

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INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
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CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/17/2006

REEL/FRAME: 017468/0752 ✓
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
HUANG, CHENG-TUNG

DOC DATE: 12/13/2005

ASSIGNEE:
LIN, SHENG-HAO

DOC DATE: 12/13/2005

ASSIGNEE:
HUANG, CHIEN-CHIEH

DOC DATE: 12/13/2005

ASSIGNEE:
LI, NIEN-CHUNG

DOC DATE: 12/13/2005

ASSIGNEE:
SHENG, YI-CHENG

DOC DATE: 12/13/2005

017468/0752 PAGE 2

ASSIGNEE:

UNITED MICROELECTRONICS CORP.
NO. 3, LI-HSIN ROAD 2, SCIENCE-
BASED PARK
HSIN-CHU CITY, TAIWAN R.O.C.

SERIAL NUMBER: 10709236

FILING DATE: 04/23/2004

PATENT NUMBER: 6955929

ISSUE DATE: 10/18/2005

TITLE: METHOD OF MEASURING A GATE CHANNEL LENGTH OF A METAL-OXIDE
SEMICONDUCTOR TRANSISTOR

PAULA MCCRAY, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

Deposit Account Statement

Attachment 3

第 8 頁，共 13 頁

01/18 93	11306968	HHIP0081USA	8021	\$40.00	\$52,427.00
01/18 94	11306968	HHIP0081USA	1311	\$200.00	\$52,227.00
01/18 95	11306968	HHIP0081USA	1111	\$500.00	\$51,727.00
01/18 100	11306970	HHIP0082USA	1011	\$300.00	\$51,427.00
01/18 101	11306970	HHIP0082USA	8021	\$40.00	\$51,387.00
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01/18 104	11306971	HHIP0083USA	1011	\$300.00	\$50,387.00
01/18 105	11306971	HHIP0083USA	8021	\$40.00	\$50,347.00
01/18 106	11306971	HHIP0083USA	1311	\$200.00	\$50,147.00
01/18 107	11306971	HHIP0083USA	1111	\$500.00	\$49,647.00
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01/18 109	11306972	HHIP0084USA	8021	\$40.00	\$49,307.00
01/18 110	11306972	HHIP0084USA	1311	\$200.00	\$49,107.00
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01/19 5	6398481		1554	-\$130.00	\$48,737.00
01/19 5	10908633	NTCP0051USA	1501	\$1,400.00	\$47,337.00
01/19 6	10908633	NTCP0051USA	1504	\$300.00	\$47,037.00
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01/19 76	11307002	NAUP0748USA	1111	\$500.00	\$45,097.00
01/19 90	10638018	JCLA8532-D/MEGIC-2001-015	8021	\$40.00	\$45,057.00
01/19 102	11307009	FTLP0062USA	1011	\$300.00	\$44,757.00
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01/19 104	11307009	FTLP0062USA	1311	\$200.00	\$44,517.00
01/19 105	11307009	FTLP0062USA	1111	\$500.00	\$44,017.00
01/19 112	11307011	FTLP0065USA	1011	\$300.00	\$43,717.00
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01/19 114	11307011	FTLP0065USA	1311	\$200.00	\$43,477.00
01/19 115	11307011	FTLP0065USA	1111	\$500.00	\$42,977.00
01/19 126	10709236	NAUP0464USA	1464	\$130.00	\$42,847.00
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01/20 15	10711392	NAUP0633USA	1504	\$300.00	\$37,747.00
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01/20 18	10710724	NAUP0496USA4	1501	\$1,400.00	\$34,647.00
01/20 19	10710724	NAUP0496USA4	1504	\$300.00	\$34,347.00
01/20 57	10604717	ADTP0051USA	1251	\$120.00	\$34,227.00
01/20 93	11275633	VIAP0153USA	1011	\$300.00	\$33,927.00
01/20 94	11275633	VIAP0153USA	1111	\$500.00	\$33,427.00
01/20 95	11275633	VIAP0153USA	1311	\$200.00	\$33,227.00
01/20 96	11275633	VIAP0153USA	1463	\$200.00	\$33,027.00
01/20 113	60766453	NVAP0013USA	1005	\$200.00	\$32,827.00
01/20 114	60766453	NVAP0013USA	8021	\$40.00	\$32,787.00
01/20 115	11307046	MTKP0314USA	1011	\$300.00	\$32,487.00
01/20 116	11307046	MTKP0314USA	1202	\$650.00	\$31,837.00
01/20 117	11307046	MTKP0314USA	1201	\$200.00	\$31,637.00

Attachment 4

USPTO 5/19/2006 6:08 AM PAGE 1/001 Fax Server
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Auto-Reply Facsimile Transmission



TO: Fax Sender at 18064986673

Fax Information
Date Received: 5/19/2006 6:03:56 AM [Eastern Daylight Time]
Total Pages: 7 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

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To: USPTO Page 1 of 7	2006-05-19 10:02:39 (GMT)	18064986673 From: BINCHI CHANG
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Fax To: NGUYEN, TUAN H Art Unit: 2813	Tel: (571) 272-1694 Fax: (571) 273-8300	
From: Winston Hsu, Registration No. 41,526		
Serial No.: 10/709,236		
Attorney Docket No.: NAUP0464USA		
Subject: Status Inquiry of Request to correct inventorship under 37 CFR 1.324		
Total Pages: 7 pages (including cover page)		
Winston Hsu <u>MAY 19 2006</u>		
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CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : US 6,955,929 B2

APPLICATION NO.: 10/709,236

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INVENTOR(S) : Cheng-Tung Huang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Item (75), Inventors,

Chien-Chieh Huang should be supplemented as the third inventor.

-- Cheng-Tung Huang, Kao-Hsiung (TW); Sheng-Hao Lin, Hsin-Chu Hsien (TW); Chien-Chieh Huang, Taipei City (TW); Nien-Chung Li, Hsin-Chu (TW); Yi-Cheng Sheng, Hsin-Chu (TW) --

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